

Claims

1. A method for storing pixel image data in a machine-readable memory, the method comprising:
decomposing pixel image data into multiple colorspace components; and
storing the multiple colorspace components in one continuous machine-readable memory segment in a machine readable memory, the machine readable memory having one or more burst boundaries.
2. The method of claim 1 wherein the machine-readable memory comprises volatile memory.
3. The method of claim 2 wherein the volatile memory comprises dynamic random access memory.
4. The method of claim 2 wherein the volatile memory comprises static random access memory.
5. The method of claim 1 wherein the colorspace components comprise luminance, red difference sample, and blue difference sample.
6. The method of claim 1 wherein the colorspace components comprise a red color level, a green color level, and a blue color level.
7. The method of claim 1 wherein the pixel image data comprises a first data byte, the first data byte being registered at a memory address immediately following one of the one or more burst boundaries.

8. The method of claim 1 wherein the pixel image data comprises a first data byte and subsequent data bytes, one of the subsequent data bytes being registered at a memory address immediately following one of the one or more burst boundaries.
9. A method of retrieving pixel image data from a machine-readable memory, the method comprising:
 - retrieving pixel image data from a machine readable memory device having one or more burst boundaries, the pixel image data comprising multiple colorspace components and having been previously stored in the machine readable memory device in one continuous memory segment.
10. The method of claim 9 wherein the machine-readable memory comprises volatile memory.
11. The method of claim 10 wherein the volatile memory comprises dynamic random access memory.
12. The method of claim 11 wherein the volatile memory comprises static random access memory.
13. The method of claim 9 wherein the colorspace components comprise luminance, red difference sample, and blue difference sample.
14. The method of claim 9 wherein the colorspace components comprise a red color level, a green color level, and a blue color level.

15. The method of claim 9 wherein the pixel image data comprises a first data byte, the first data byte being registered at a memory address immediately following one of the one or more burst boundaries.

16. The method of claim 10 wherein the pixel image data comprises a first data byte and subsequent data bytes, one of the subsequent data bytes being registered at a memory address immediately following one of the one or more burst boundaries.